

QUBIC

Wednesday, 1 June 2016 14:40 (20 minutes)

Summary

QUBIC is a ground-based experiment, currently under construction, that uses the novel bolometric interferometry technology. It is dedicated to measure the primordial B-modes of CMB. As a bolometric interferometer, QUBIC has high sensitivity and good systematics control. Dust contamination is controlled by operating with two bands ? 150 and 220 GHz. There are two possible sites for QUBIC: either Concordia station in Antarctic or in the Argentinian Puna desert. It is planned to see the first light in 2018-2019.

Primary author: STOLPOVSKIY, Mikhail (Institute for High Energy Physics (RU))

Presenter: STOLPOVSKIY, Mikhail (Institute for High Energy Physics (RU))

Session Classification: Astro + Cosmo I-II